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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/145,139	08/28/98	VORBACH	2885/14A

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TM02/0531

EXAMINER
VO, T

ART UNIT	PAPER NUMBER
2181	

DATE MAILED: 05/31/01

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

MT

Office Action Summary

Application No.

09/145,139

Applicant(s)

VORBACH ET AL.

Examiner

Tim T. Vo

Art Unit

2181

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 February 2001.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 and 22-47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7-14, 17, 28 and 43-47 is/are allowed.
- 6) ☒ Claim(s) 1-6, 15, 16, 18-27 and 29-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☐ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2,9.
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____.

Response to Amendment

1. Applicant's arguments filed February, 14 2001 have been fully considered but they are not deemed to be persuasive.
2. No new matter or issue has been added. Therefore, the same ground of rejection from the previous office is applied. Claims 1-6, 15-16, 18-27 and 29-42 remained rejected under 103(a) as being unpatentable over Trimberger patent number 5,892,961 in view of "The Programmable Logic Data Book" by Xilinx 1994.
3. Amendment for claims 22-23 dependency to claim 18 is corrected.
4. The information disclosure statement filed 1/17/01 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each U.S. and foreign patent; each publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered. Examiner request resubmit missing IDS (those IDS are not considered).
5. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., a respective routing table **included in each node**) is not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Further, the claims cited "a respective routing table storing set up information for connection **within the unit**". Col 1 lines 45-65, Trimberger teaches a lookup table in each configurable logic block in the FPGA. Further, it

configured to interconnect points which control the connection of wiring segments in the FPGA.

6. In response to the applicant arguments that Trimberger does not teach "actively connect and disconnect at least two of the plurality of bus segment". In fig 2 there are buses connected to the CL, I/OB and CLB and the routing table using multiplexers, switches to connect or disconnect wiring segments (bus or buses) in order to route data to the corresponding memory cell (see col 1 line 45 to col 2 line 2).

7. In response to the applicant arguments that Trimberger does not teach "a respective monitoring unit independently verifying whether a connection can be set up within the unit". Col 9-10 Trimberger teaches such teaching that is a control state machine 141 verifies connection can be made in order for passing data to register 14 and 12. For example, the control state machine 141 receives A=0 signal 165, it stops passing data into the frame register 14 (see col 9 lines 3-5 and col 10 lines 5-8).

Allowable Subject Matter

8. Claims 7-14, 17, 28 and 43-47 are allowable over the prior of records.

Conclusion

9. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION

FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Tim Vo, whose telephone number is (703) 308-5862. The examiner can normally be reached on Monday-Friday from 7:00AM- 3:30PM.

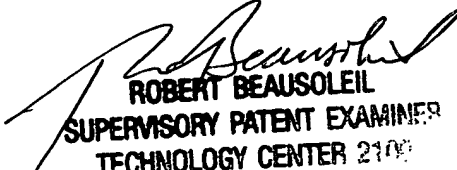
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Auve, can be reached on (703) 305-9638 or via e-mail addressed to [glenn.auve@uspto.gov]. The fax number for this Group is (703) 308-5358.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [tim.vo@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Tim Vo
5/26/01


ROBERT BEAUSOLEIL
SUPERVISORY PATENT EXAMINER
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